

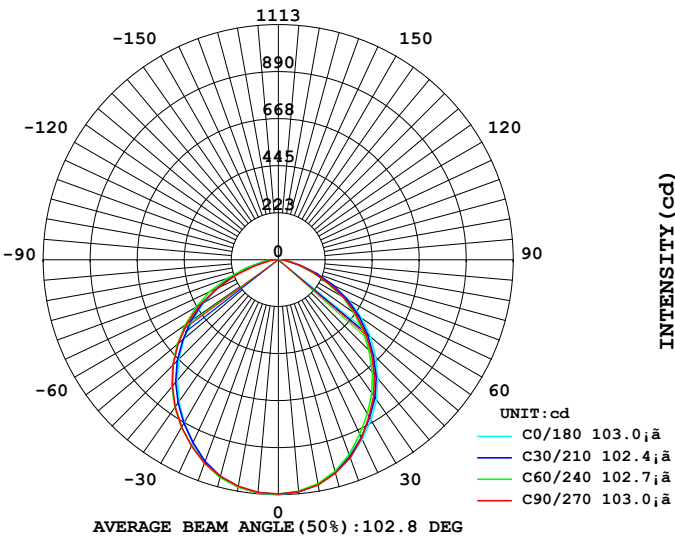
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

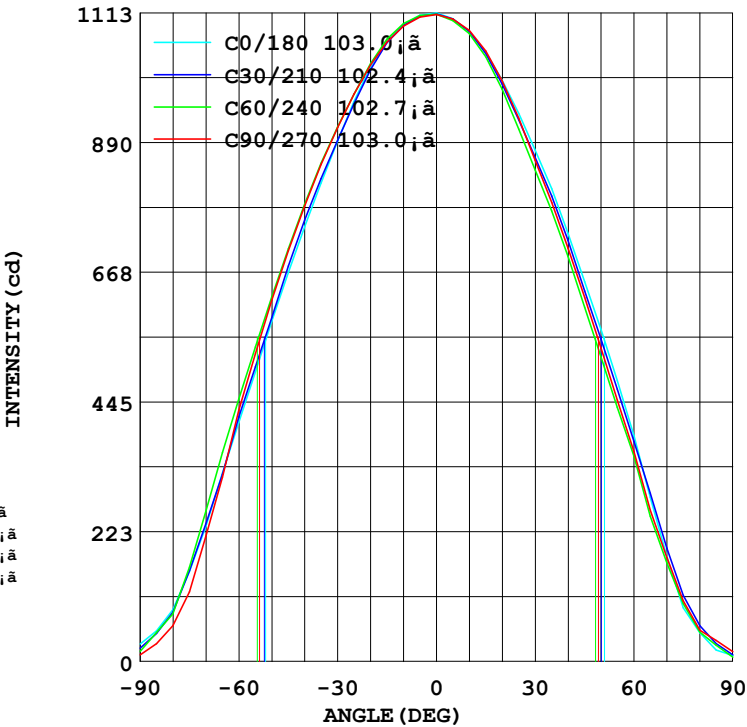
|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: DISC BACKLIT                                                   | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM-600 MA                                         | DIMENSION: D-300 H-60 MM | SERIAL No.: |

|                   |              |                    |        |                   |       |
|-------------------|--------------|--------------------|--------|-------------------|-------|
| DATA OF LAMP      |              | Imax (cd)          | 1113   | S/MH (C0/180)     | 1.20  |
| MODEL             | DISC BACKLIT | EFFICIENCY (%)     | 100.0  | S/MH (C90/270)    | 1.23  |
| NOMINAL POWER (W) | 25           | TOTAL FLUX (lm)    | 2763.6 | Voltage (V)       | 219.8 |
| RATED VOLTAGE (V) | 220          | EFFICIENCY (lm/W)  | 113.0  | Current (A)       | 0.108 |
| NOMINAL FLUX (lm) | 2763.7       | $\eta$ up (%)      | 0.0    | Power (W)         | 24.45 |
| LAMPS QUANTITY    | 1            | $\eta$ down (%)    | 100.0  | Power Factor (PF) | 0.997 |
| TEST VOLTAGE (V)  | 219.8        | Effictive Flux(lm) | 2692.0 | EEI               | 0.124 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.200 m  
Remarks: 4000K

Color Temperature Data List

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: DISC BACKLIT                                                   | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM-600 MA                                         | DIMENSION: D-300 H-60 MM | SERIAL No.: |

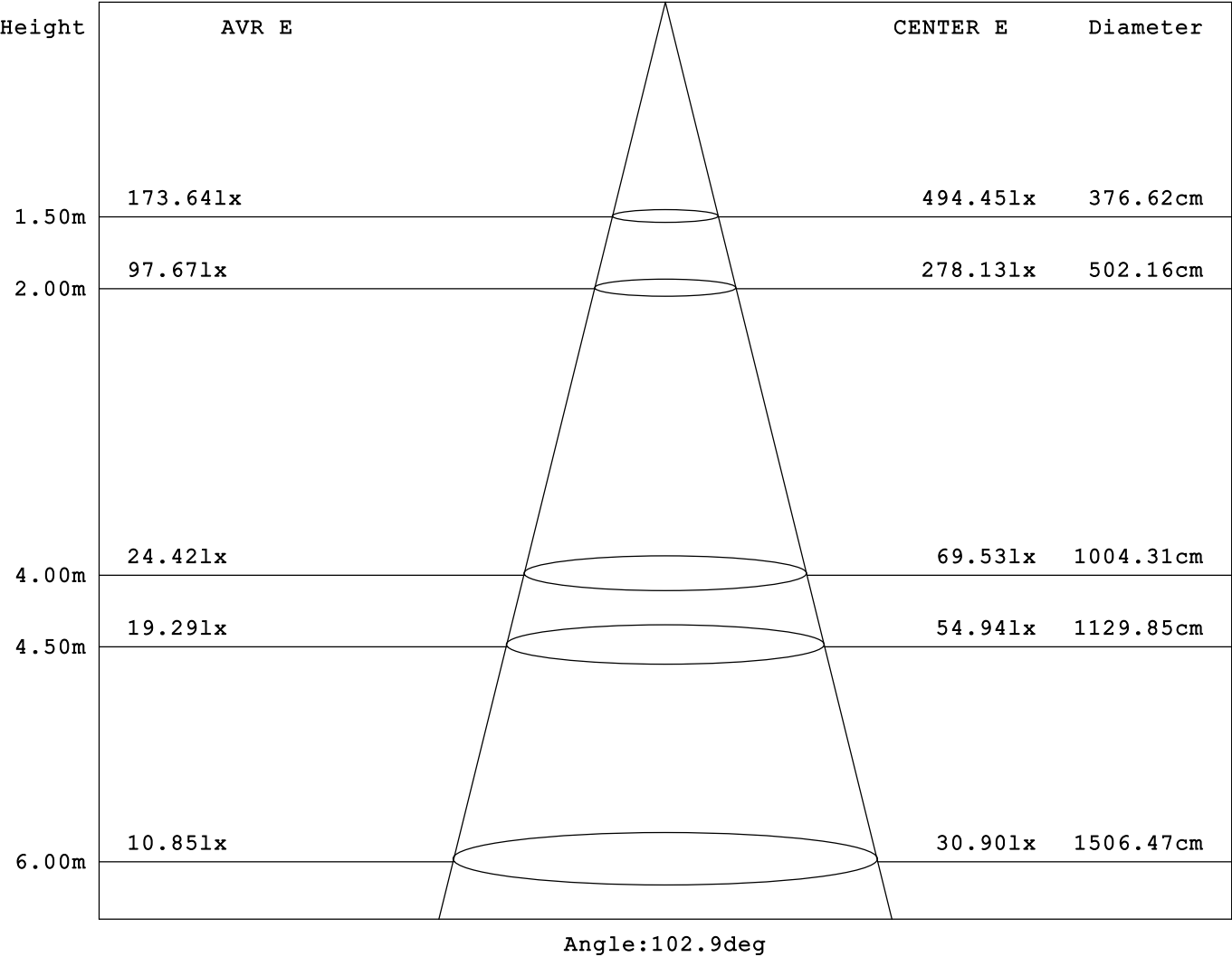
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.200 m  
Remarks: 4000K

AVERAGE AND CENTER E Figure

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: DISC BACKLIT                                                   | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM-600 MA                                         | DIMENSION: D-300 H-60 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.200 m  
Remarks: 4000K

ZONAL FLUX DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: DISC BACKLIT                                                   | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM-600 MA                                         | DIMENSION: D-300 H-60 MM | SERIAL No.: |

| γ     | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | γ       | Zone    | total |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|
| 10.0  | 1092                  | 1093  | 1090  | 1085  | 1081  | 1079  | 1083  | 1087  | 0- 10   | 104.8   | 104.8 |
| 20.0  | 1020                  | 1020  | 1023  | 1017  | 996.8 | 986.1 | 996.1 | 1010  | 10- 20  | 296.9   | 401.7 |
| 30.0  | 892.6                 | 905.1 | 915.9 | 910.4 | 877.4 | 854.0 | 859.5 | 881.4 | 20- 30  | 438.1   | 839.9 |
| 40.0  | 745.5                 | 771.0 | 781.3 | 769.2 | 733.9 | 708.2 | 708.6 | 730.9 | 30- 40  | 512.0   | 1352  |
| 50.0  | 583.0                 | 606.9 | 619.1 | 602.2 | 569.2 | 537.6 | 537.8 | 560.3 | 40- 50  | 510.8   | 1863  |
| 60.0  | 409.4                 | 434.1 | 430.5 | 401.4 | 387.1 | 364.6 | 359.6 | 378.9 | 50- 60  | 435.7   | 2299  |
| 70.0  | 231.3                 | 246.3 | 214.4 | 185.0 | 179.9 | 181.4 | 178.3 | 192.5 | 60- 70  | 293.7   | 2592  |
| 80.0  | 88.53                 | 83.11 | 61.19 | 53.74 | 49.26 | 55.52 | 53.40 | 51.46 | 70- 80  | 131.6   | 2724  |
| 90.0  | 29.96                 | 19.93 | 11.25 | 13.45 | 10.41 | 9.395 | 16.92 | 20.22 | 80- 90  | 39.70   | 2764  |
| 100.0 |                       |       |       |       |       |       |       |       | 90-100  |         |       |
| 110.0 |                       |       |       |       |       |       |       |       | 100-110 |         |       |
| 120.0 |                       |       |       |       |       |       |       |       | 110-120 |         |       |
| 130.0 |                       |       |       |       |       |       |       |       | 120-130 |         |       |
| 140.0 |                       |       |       |       |       |       |       |       | 130-140 |         |       |
| 150.0 |                       |       |       |       |       |       |       |       | 140-150 |         |       |
| 160.0 |                       |       |       |       |       |       |       |       | 150-160 |         |       |
| 170.0 |                       |       |       |       |       |       |       |       | 160-170 |         |       |
| 180.0 |                       |       |       |       |       |       |       |       | 170-180 |         |       |
| DEG   | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |         | UNIT:lm |       |

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-14-2025

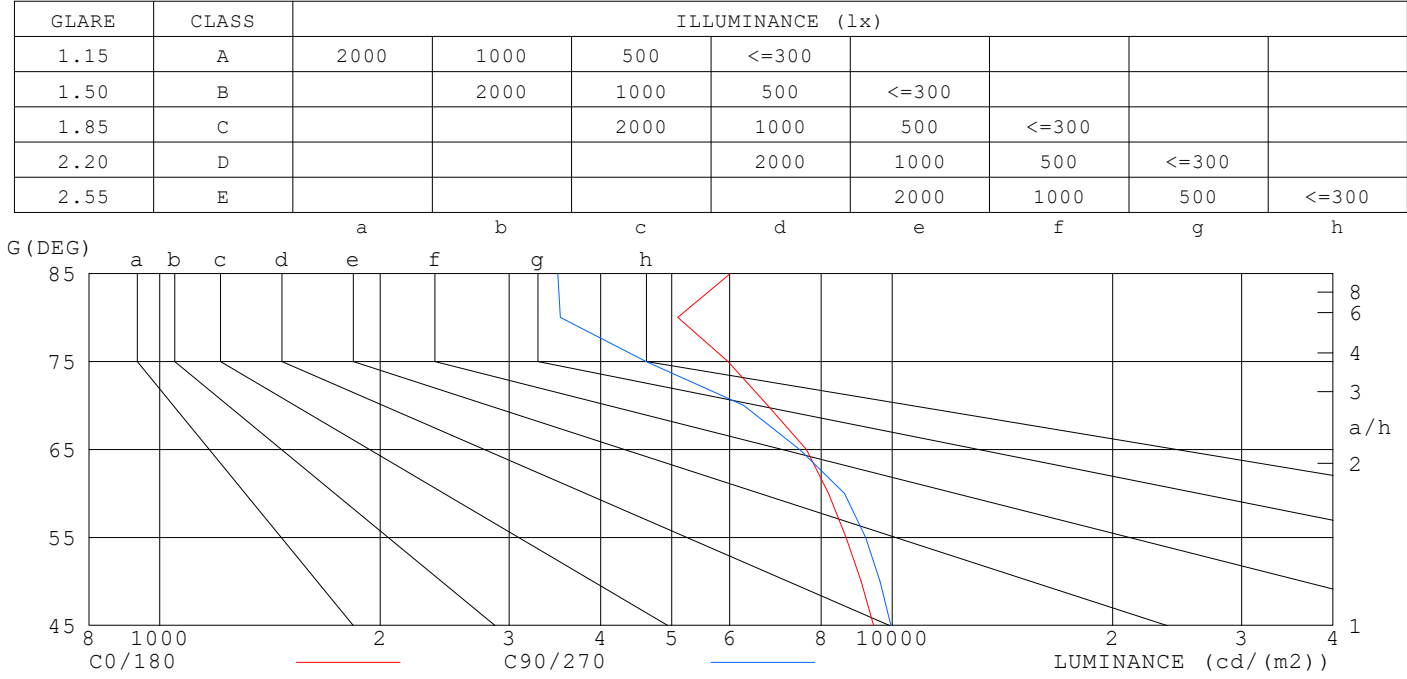
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.200 m  
Remarks: 4000K

LUMINANCE LIMITATION CURVES

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: DISC BACKLIT                                                   | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM-600 MA                                         | DIMENSION: D-300 H-60 MM | SERIAL No.: |

LUMINANCE LIMITATION CURVES



LUMINANCE cd/m2

| G (DEG) | C0/180 | C90/270 |
|---------|--------|---------|
| 85      | 6011   | 3496    |
| 80      | 5098   | 3524    |
| 75      | 5968   | 4614    |
| 70      | 6763   | 6271    |
| 65      | 7641   | 7478    |
| 60      | 8190   | 8611    |
| 55      | 8656   | 9198    |
| 50      | 9071   | 9632    |
| 45      | 9437   | 9963    |

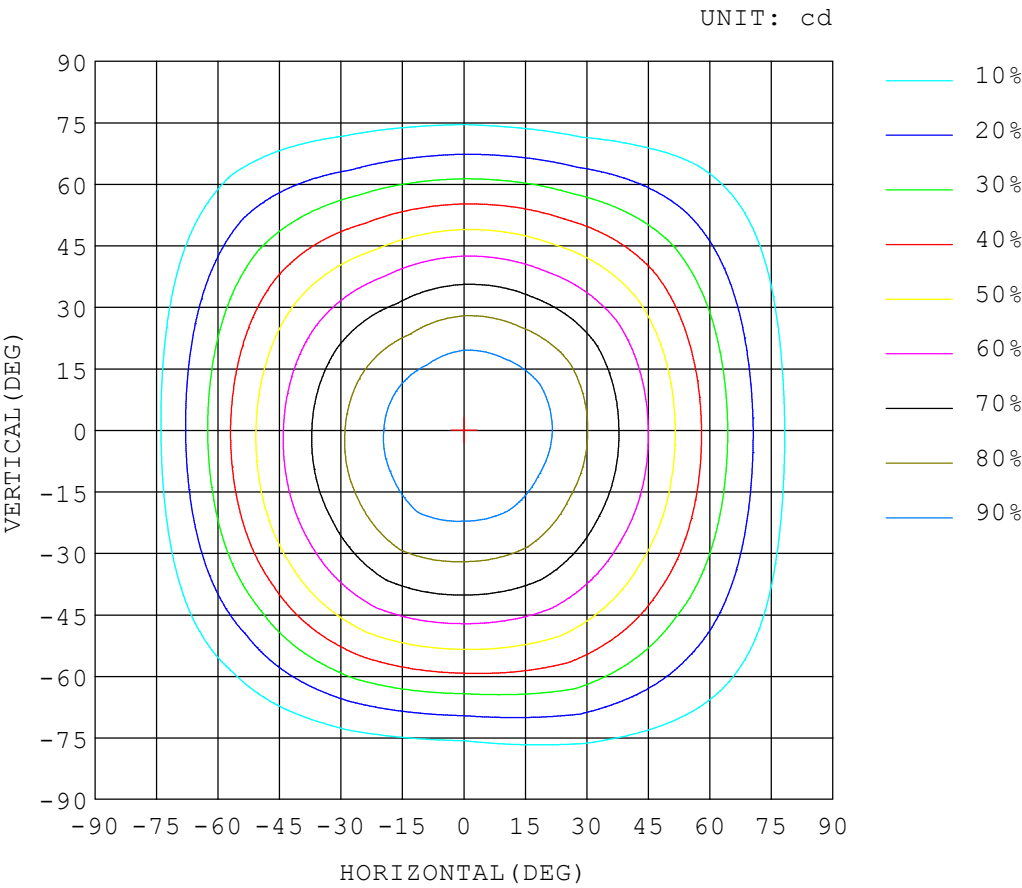
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.200 m  
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: DISC BACKLIT                                                   | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM-600 MA                                         | DIMENSION: D-300 H-60 MM | SERIAL No.: |



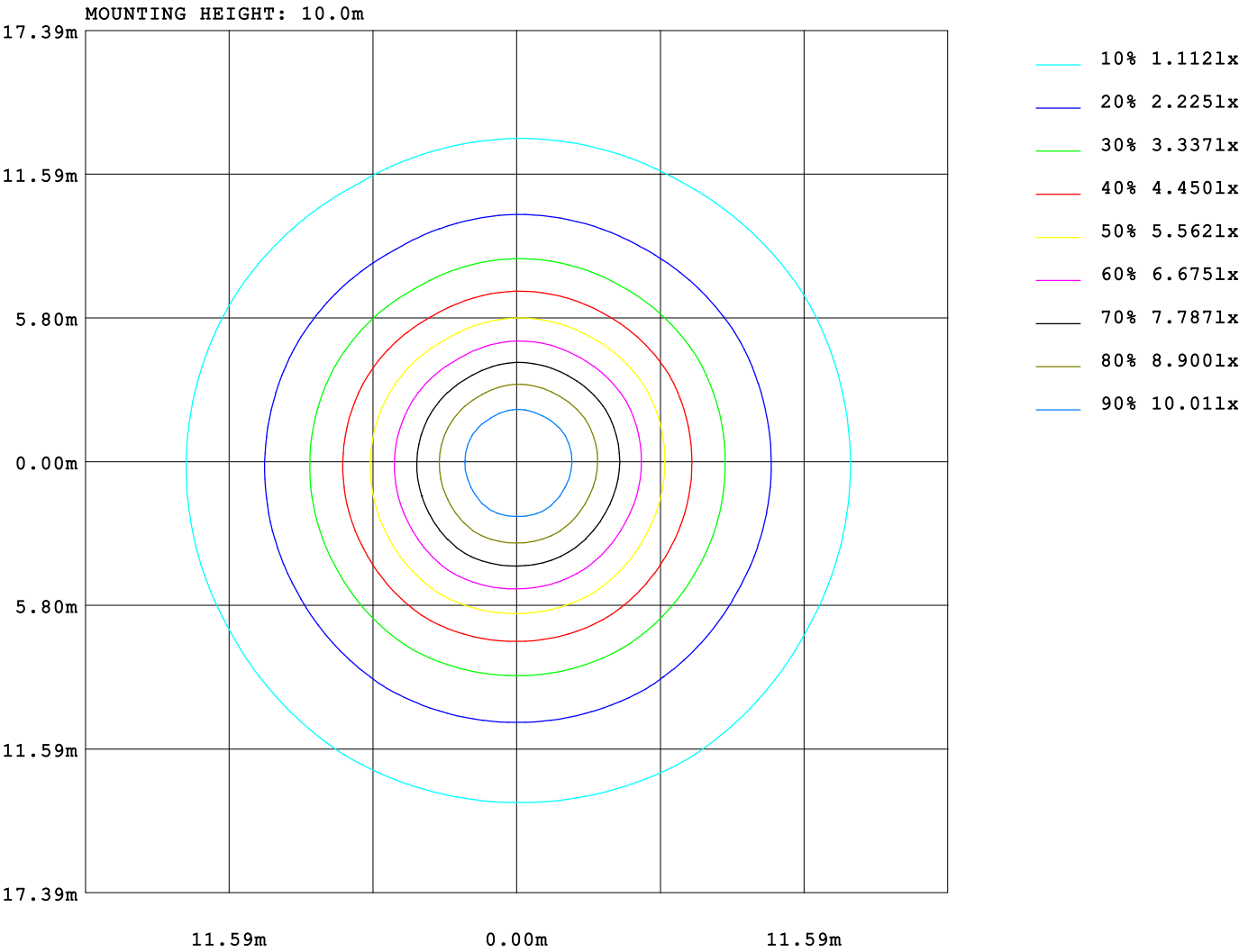
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.200 m  
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: DISC BACKLIT                                                   | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM-600 MA                                         | DIMENSION: D-300 H-60 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.200 m  
Remarks: 4000K

## AREA LUMINOUS FLUX

Report number:

|                                                                      |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |  |  |
|----------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------|--|--|--|--|-------------|--|--|--|--|
| MANUFACTURER: DIVINITY LIGHTS                                        |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |  |  |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |  |  |  |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |  |  |
| NAME: DISC BACKLIT                                                   |  |  |  |  |  |  |  |  |  | TYPE: 4000K CRI-90       |  |  |  |  | WEIGHT:     |  |  |  |  |
| SPECIFICATION: FULHAM-600 MA                                         |  |  |  |  |  |  |  |  |  | DIMENSION: D-300 H-60 MM |  |  |  |  | SERIAL No.: |  |  |  |  |

| VERTICAL (DEG) | AREA FLUX DIAGRAM |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      |      |      | UNIT:lm |      | Φ t | Φ a |    |    |    |    |
|----------------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|------|------|---------|------|-----|-----|----|----|----|----|
|                | 0.03              | 0.12 | 0.24 | 0.38 | 0.51 | 0.62 | 0.76 | 0.92 | 1.03             | 1.03 | 0.91 | 0.76 | 0.68 | 0.64 | 0.54 | 0.41 | 0.25 | 0.08 | 9.92    | 0.00 |     |     |    |    |    |    |
| 90             |                   |      |      |      |      |      |      |      |                  |      |      |      |      |      |      |      |      |      |         |      |     |     |    |    |    |    |
| 80             | 0.04              | 0.18 | 0.48 | 0.91 | 1.38 | 1.89 | 2.42 | 2.94 | 3.27             | 3.24 | 2.84 | 2.23 | 1.75 | 1.37 | 0.98 | 0.63 | 0.33 | 0.09 | 27.0    | 8.56 |     |     |    |    |    |    |
| 70             | 0.05              | 0.27 | 0.82 | 1.81 | 3.11 | 4.51 | 5.83 | 7.11 | 7.88             | 7.93 | 7.26 | 6.04 | 4.71 | 3.32 | 2.03 | 1.01 | 0.44 | 0.11 | 64.3    | 59.1 |     |     |    |    |    |    |
| 60             | 0.05              | 0.38 | 1.30 | 3.17 | 5.53 | 8.00 | 10.2 | 12.2 | 13.4             | 13.5 | 12.5 | 10.6 | 8.36 | 5.89 | 3.50 | 1.64 | 0.57 | 0.12 | 111     | 109  |     |     |    |    |    |    |
| 50             | 0.06              | 0.50 | 1.91 | 4.67 | 8.01 | 11.3 | 14.4 | 17.0 | 18.6             | 18.7 | 17.4 | 14.9 | 11.8 | 8.42 | 5.07 | 2.32 | 0.75 | 0.13 | 156     | 155  |     |     |    |    |    |    |
| 40             | 0.07              | 0.62 | 2.54 | 6.01 | 10.1 | 14.4 | 18.3 | 21.4 | 23.4             | 23.7 | 22.0 | 18.9 | 15.0 | 10.6 | 6.41 | 2.99 | 0.93 | 0.15 | 198     | 197  |     |     |    |    |    |    |
| 30             | 0.08              | 0.74 | 3.08 | 7.11 | 11.9 | 17.0 | 21.7 | 25.2 | 27.7             | 28.0 | 25.9 | 22.4 | 17.6 | 12.3 | 7.48 | 3.54 | 1.08 | 0.16 | 233     | 233  |     |     |    |    |    |    |
|                | 0.08              | 0.82 | 3.47 | 7.90 | 13.1 | 18.9 | 24.1 | 28.4 | 31.1             | 31.3 | 29.1 | 24.9 | 19.4 | 13.6 | 8.24 | 3.94 | 1.20 | 0.17 | 260     | 260  |     |     |    |    |    |    |
|                | 0.08              | 0.86 | 3.67 | 8.34 | 13.9 | 19.9 | 25.5 | 30.2 | 32.9             | 33.1 | 30.9 | 26.2 | 20.3 | 14.2 | 8.64 | 4.16 | 1.28 | 0.17 | 275     | 274  |     |     |    |    |    |    |
|                | 0.08              | 0.86 | 3.66 | 8.38 | 14.0 | 20.1 | 25.8 | 30.4 | 33.1             | 33.2 | 30.8 | 26.2 | 20.3 | 14.3 | 8.67 | 4.17 | 1.28 | 0.17 | 276     | 275  |     |     |    |    |    |    |
|                | 0.08              | 0.80 | 3.42 | 8.01 | 13.5 | 19.4 | 24.9 | 29.4 | 31.9             | 31.9 | 29.5 | 25.0 | 19.5 | 13.7 | 8.34 | 3.99 | 1.23 | 0.17 | 265     | 265  |     |     |    |    |    |    |
| -30            | 0.07              | 0.69 | 2.98 | 7.20 | 12.4 | 17.9 | 23.1 | 27.3 | 29.3             | 29.2 | 27.1 | 23.1 | 18.0 | 12.6 | 7.66 | 3.63 | 1.12 | 0.16 | 244     | 243  |     |     |    |    |    |    |
| -40            | 0.06              | 0.57 | 2.38 | 5.96 | 10.6 | 15.7 | 20.4 | 24.0 | 25.6             | 25.6 | 23.9 | 20.4 | 15.8 | 11.0 | 6.64 | 3.12 | 0.98 | 0.15 | 213     | 212  |     |     |    |    |    |    |
| -50            | 0.06              | 0.44 | 1.70 | 4.37 | 8.36 | 12.7 | 16.8 | 19.7 | 21.1             | 21.1 | 19.7 | 17.0 | 13.1 | 9.09 | 5.32 | 2.52 | 0.81 | 0.14 | 174     | 173  |     |     |    |    |    |    |
| -60            | 0.05              | 0.33 | 1.07 | 2.78 | 5.60 | 9.03 | 12.2 | 14.5 | 15.8             | 15.9 | 14.9 | 12.9 | 9.99 | 6.75 | 3.93 | 1.85 | 0.63 | 0.12 | 129     | 126  |     |     |    |    |    |    |
| -70            | 0.04              | 0.21 | 0.65 | 1.46 | 2.98 | 5.03 | 7.10 | 8.64 | 9.54             | 9.79 | 9.40 | 8.34 | 6.41 | 4.30 | 2.50 | 1.20 | 0.48 | 0.11 | 78.2    | 73.8 |     |     |    |    |    |    |
| -80            | 0.04              | 0.13 | 0.33 | 0.70 | 1.29 | 2.04 | 2.83 | 3.44 | 3.82             | 4.05 | 4.07 | 3.74 | 2.97 | 2.07 | 1.31 | 0.76 | 0.36 | 0.10 | 34.0    | 18.7 |     |     |    |    |    |    |
| -90            | 0.03              | 0.10 | 0.18 | 0.28 | 0.46 | 0.69 | 0.87 | 0.96 | 1.01             | 1.08 | 1.18 | 1.21 | 1.09 | 0.87 | 0.65 | 0.44 | 0.26 | 0.08 | 11.4    | 0.00 |     |     |    |    |    |    |
|                | -90               | -80  | -70  | -60  | -50  | -40  | -30  | -20  | HORIZONTAL (DEG) |      |      |      |      |      |      |      |      |      | 20      | 30   | 40  | 50  | 60 | 70 | 80 | 90 |
| Φ t            | 1.04              | 8.61 | 33.9 | 79.5 | 137  | 200  | 258  | 304  | 331              | 333  | 310  | 265  | 207  | 145  | 87.9 | 42.3 | 14.0 | 2.38 | 2764    |      |     |     |    |    |    |    |
| Φ a            | 0.00              | 2.67 | 28.8 | 74.8 | 133  | 195  | 253  | 300  | 326              | 328  | 306  | 261  | 203  | 141  | 83.5 | 37.7 | 8.37 | 0.00 |         | 2692 |     |     |    |    |    |    |

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-14-2025

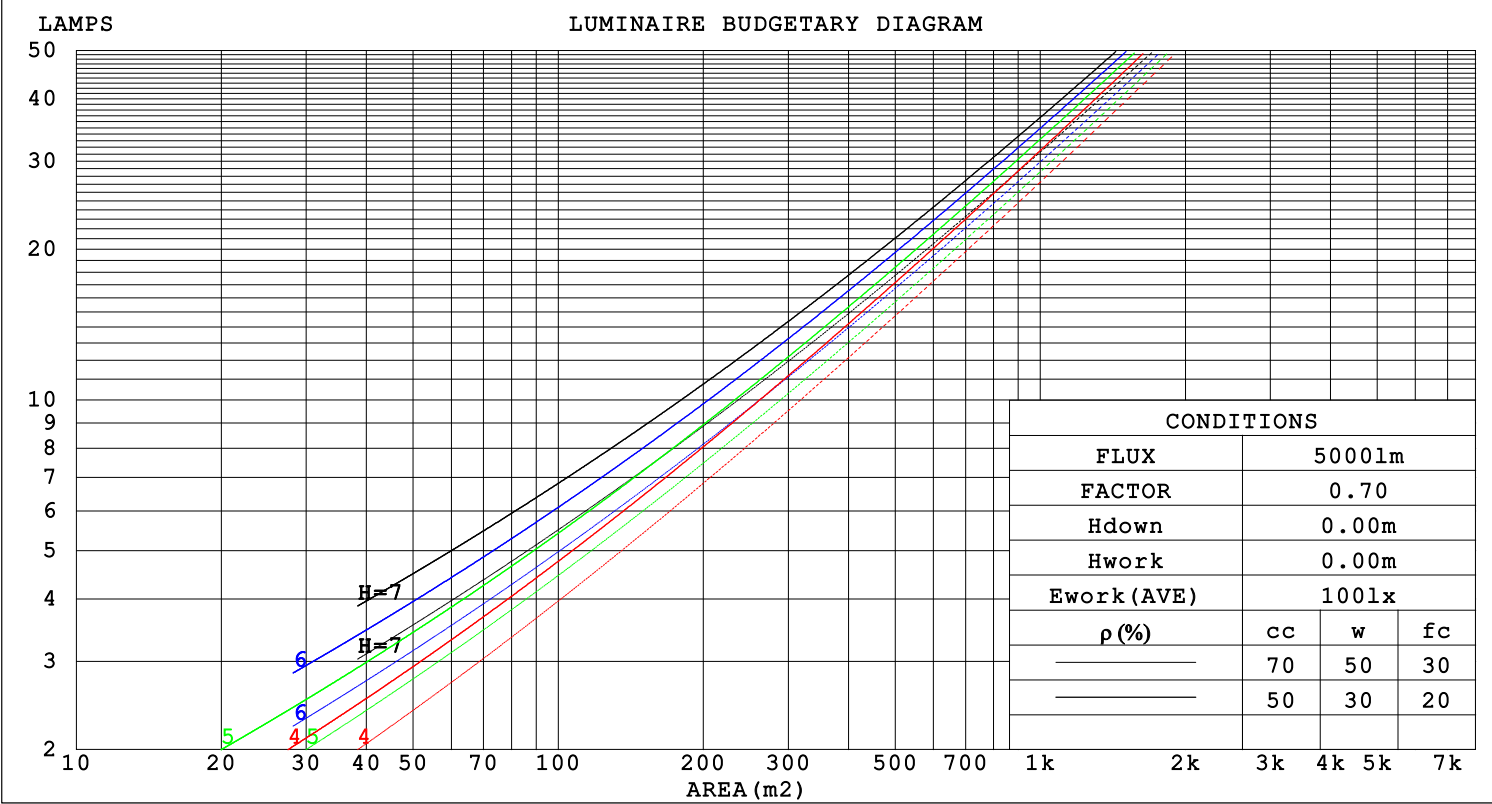
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.200 m  
Remarks: 4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

|                                                                      |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |  |
|----------------------------------------------------------------------|--|--|--|--|--|--|--|--------------------------|--|--|--|-------------|--|--|--|
| MANUFACTURER: DIVINITY LIGHTS                                        |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |  |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |  |  |  |  |  |  |  |                          |  |  |  |             |  |  |  |
| NAME: DISC BACKLIT                                                   |  |  |  |  |  |  |  | TYPE: 4000K CRI-90       |  |  |  | WEIGHT:     |  |  |  |
| SPECIFICATION: FULHAM-600 MA                                         |  |  |  |  |  |  |  | DIMENSION: D-300 H-60 MM |  |  |  | SERIAL No.: |  |  |  |

|                 |                                                                            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|----------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| pcc             | 80%                                                                        |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0    |
| pw              | 50%                                                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0    |
| pf <sub>c</sub> | 20%                                                                        |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 20%  |      |      | 0    |
| RCR             | RCR:Room Cavity Ratio                      Coefficients of Utilization(CU) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 0.0             | 1.19                                                                       | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1.0             | 1.05                                                                       | 1.01 | .97  | 1.03 | .99  | .96  | .99  | .96  | .93  | .95  | .92  | .90  | .91  | .89  | .87  | .85  |
| 2.0             | .92                                                                        | .86  | .80  | .90  | .85  | .79  | .87  | .82  | .78  | .84  | .80  | .76  | .81  | .77  | .74  | .72  |
| 3.0             | .82                                                                        | .74  | .68  | .80  | .73  | .67  | .77  | .71  | .66  | .74  | .69  | .65  | .72  | .67  | .64  | .61  |
| 4.0             | .73                                                                        | .64  | .58  | .71  | .63  | .57  | .69  | .62  | .57  | .67  | .61  | .56  | .64  | .59  | .55  | .53  |
| 5.0             | .65                                                                        | .56  | .50  | .64  | .56  | .50  | .62  | .55  | .49  | .60  | .54  | .49  | .58  | .53  | .48  | .46  |
| 6.0             | .59                                                                        | .50  | .44  | .58  | .50  | .44  | .56  | .49  | .43  | .54  | .48  | .43  | .53  | .47  | .43  | .41  |
| 7.0             | .53                                                                        | .45  | .39  | .53  | .45  | .39  | .51  | .44  | .38  | .50  | .43  | .38  | .48  | .42  | .38  | .36  |
| 8.0             | .49                                                                        | .41  | .35  | .48  | .40  | .35  | .47  | .40  | .35  | .46  | .39  | .34  | .44  | .39  | .34  | .32  |
| 9.0             | .45                                                                        | .37  | .31  | .44  | .37  | .31  | .43  | .36  | .31  | .42  | .36  | .31  | .41  | .35  | .31  | .29  |
| 10.0            | .41                                                                        | .34  | .29  | .41  | .34  | .29  | .40  | .33  | .28  | .39  | .33  | .28  | .38  | .32  | .28  | .26  |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.200 m  
Remarks: 4000K

## WEC AND CCEC

Report number:

|                                                                      |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |
|----------------------------------------------------------------------|--|--|--|--|--|--|--------------------------|--|--|--|--|-------------|--|--|
| MANUFACTURER: DIVINITY LIGHTS                                        |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |  |  |  |  |  |  |                          |  |  |  |  |             |  |  |
| NAME: DISC BACKLIT                                                   |  |  |  |  |  |  | TYPE: 4000K CRI-90       |  |  |  |  | WEIGHT:     |  |  |
| SPECIFICATION: FULHAM-600 MA                                         |  |  |  |  |  |  | DIMENSION: D-300 H-60 MM |  |  |  |  | SERIAL No.: |  |  |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                             |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                             |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Wall Exitance Coefficients(WEC) |      |      |      |      |      |      |      |      |   |
| 0.0  |                       |      |      |      |      |      |                                 |      |      |      |      |      |      |      |      |   |
| 1.0  | .288                  | .164 | .052 | .281 | .160 | .051 | .267                            | .153 | .049 | .255 | .147 | .047 | .244 | .142 | .046 |   |
| 2.0  | .274                  | .150 | .046 | .268 | .147 | .045 | .256                            | .142 | .044 | .245 | .138 | .043 | .236 | .133 | .042 |   |
| 3.0  | .256                  | .136 | .041 | .250 | .134 | .040 | .240                            | .130 | .040 | .231 | .126 | .039 | .222 | .123 | .038 |   |
| 4.0  | .238                  | .124 | .036 | .233 | .122 | .036 | .224                            | .119 | .035 | .216 | .116 | .035 | .208 | .113 | .034 |   |
| 5.0  | .221                  | .113 | .033 | .217 | .111 | .032 | .209                            | .109 | .032 | .202 | .106 | .032 | .195 | .104 | .031 |   |
| 6.0  | .206                  | .103 | .030 | .202 | .102 | .029 | .195                            | .100 | .029 | .189 | .098 | .029 | .182 | .096 | .029 |   |
| 7.0  | .193                  | .095 | .027 | .189 | .094 | .027 | .183                            | .092 | .027 | .177 | .091 | .026 | .171 | .089 | .026 |   |
| 8.0  | .180                  | .088 | .025 | .177 | .087 | .025 | .172                            | .086 | .025 | .166 | .084 | .024 | .161 | .083 | .024 |   |
| 9.0  | .170                  | .082 | .023 | .167 | .081 | .023 | .162                            | .080 | .023 | .157 | .079 | .023 | .152 | .077 | .022 |   |
| 10.0 | .160                  | .077 | .021 | .157 | .076 | .021 | .153                            | .075 | .021 | .148 | .074 | .021 | .144 | .073 | .021 |   |

| pcc  | 80%                   |      |      | 70%  |      |      | 50%                                        |      |      | 30%  |      |      | 10%  |      |      | 0 |
|------|-----------------------|------|------|------|------|------|--------------------------------------------|------|------|------|------|------|------|------|------|---|
| pw   | 50%                   | 30%  | 10%  | 50%  | 30%  | 10%  | 50%                                        | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0 |
| pfc  | 20%                   |      |      | 20%  |      |      | 20%                                        |      |      | 20%  |      |      | 20%  |      |      | 0 |
| RCR  | RCR:Room Cavity Ratio |      |      |      |      |      | Ceiling Cavity Exitance Coefficients(CCEC) |      |      |      |      |      |      |      |      |   |
| 0.0  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .179                  | .156 | .136 | .153 | .134 | .117 | .105                                       | .092 | .081 | .060 | .053 | .047 | .019 | .017 | .015 |   |
| 2.0  | .170                  | .132 | .100 | .145 | .114 | .087 | .100                                       | .079 | .060 | .057 | .046 | .035 | .018 | .015 | .012 |   |
| 3.0  | .162                  | .114 | .076 | .139 | .099 | .066 | .095                                       | .068 | .046 | .055 | .040 | .027 | .018 | .013 | .009 |   |
| 4.0  | .154                  | .101 | .060 | .132 | .087 | .052 | .091                                       | .061 | .037 | .053 | .036 | .022 | .017 | .012 | .007 |   |
| 5.0  | .147                  | .090 | .049 | .126 | .078 | .042 | .087                                       | .055 | .030 | .050 | .032 | .018 | .016 | .010 | .006 |   |
| 6.0  | .140                  | .082 | .040 | .120 | .071 | .035 | .083                                       | .050 | .025 | .048 | .029 | .015 | .016 | .010 | .005 |   |
| 7.0  | .133                  | .075 | .034 | .114 | .065 | .030 | .079                                       | .045 | .021 | .046 | .027 | .013 | .015 | .009 | .004 |   |
| 8.0  | .127                  | .069 | .029 | .109 | .060 | .026 | .076                                       | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0  | .121                  | .064 | .026 | .104 | .056 | .022 | .072                                       | .039 | .016 | .042 | .023 | .009 | .014 | .008 | .003 |   |
| 10.0 | .115                  | .060 | .023 | .099 | .052 | .020 | .069                                       | .037 | .014 | .040 | .022 | .008 | .013 | .007 | .003 |   |

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.200 m  
Remarks: 4000K

Uncorrected UGR Table

Report number:

|                                                                      |               |                  |      |      |                             |               |                |             |      |      |      |
|----------------------------------------------------------------------|---------------|------------------|------|------|-----------------------------|---------------|----------------|-------------|------|------|------|
| MANUFACTURER: DIVINITY LIGHTS                                        |               |                  |      |      |                             |               |                |             |      |      |      |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |               |                  |      |      |                             |               |                |             |      |      |      |
| NAME: DISC BACKLIT                                                   |               |                  |      |      | TYPE: 4000K CRI-90          |               |                | WEIGHT:     |      |      |      |
| SPECIFICATION: FULHAM-600 MA                                         |               |                  |      |      | DIMENSION: D-300    H-60 MM |               |                | SERIAL No.: |      |      |      |
| ceiling/cavity                                                       | 0.7           | 0.7              | 0.5  | 0.5  | 0.3                         | 0.7           | 0.7            | 0.5         | 0.5  | 0.3  |      |
| walls                                                                | 0.5           | 0.3              | 0.5  | 0.3  | 0.3                         | 0.5           | 0.3            | 0.5         | 0.3  | 0.3  |      |
| working plane                                                        | 0.2           | 0.2              | 0.2  | 0.2  | 0.2                         | 0.2           | 0.2            | 0.2         | 0.2  | 0.2  |      |
| Room dimensions                                                      |               | Viewed crosswise |      |      |                             |               | Viewed endwise |             |      |      |      |
| x =    2H    y =    2H                                               | 20.4          | 21.9             | 20.7 | 22.1 | 22.3                        | 20.8          | 22.3           | 21.1        | 22.5 | 22.7 |      |
|                                                                      | 21.6          | 23.0             | 21.9 | 23.2 | 23.4                        | 21.9          | 23.2           | 22.2        | 23.5 | 23.7 |      |
|                                                                      | 22.0          | 23.3             | 22.4 | 23.6 | 23.8                        | 22.1          | 23.4           | 22.4        | 23.7 | 23.9 |      |
|                                                                      | 22.3          | 23.5             | 22.6 | 23.8 | 24.0                        | 22.2          | 23.4           | 22.5        | 23.7 | 24.0 |      |
|                                                                      | 22.4          | 23.5             | 22.7 | 23.8 | 24.1                        | 22.2          | 23.4           | 22.6        | 23.7 | 24.0 |      |
|                                                                      | 22.5          | 23.6             | 22.8 | 23.9 | 24.2                        | 22.2          | 23.4           | 22.6        | 23.6 | 23.9 |      |
| 4H                                                                   | 2H            | 21.0             | 22.3 | 21.3 | 22.5                        | 22.8          | 21.3           | 22.6        | 21.6 | 22.9 | 23.1 |
|                                                                      | 3H            | 22.4             | 23.5 | 22.7 | 23.8                        | 24.1          | 22.6           | 23.7        | 23.0 | 24.0 | 24.3 |
|                                                                      | 4H            | 22.9             | 23.9 | 23.2 | 24.2                        | 24.5          | 23.0           | 24.0        | 23.3 | 24.3 | 24.6 |
|                                                                      | 6H            | 23.2             | 24.1 | 23.6 | 24.5                        | 24.8          | 23.1           | 24.0        | 23.5 | 24.4 | 24.7 |
|                                                                      | 8H            | 23.3             | 24.2 | 23.7 | 24.5                        | 24.9          | 23.2           | 24.0        | 23.6 | 24.4 | 24.8 |
|                                                                      | 12H           | 23.5             | 24.2 | 23.9 | 24.6                        | 25.0          | 23.2           | 24.0        | 23.7 | 24.4 | 24.8 |
| 8H                                                                   | 4H            | 23.0             | 23.9 | 23.4 | 24.2                        | 24.6          | 23.1           | 23.9        | 23.5 | 24.3 | 24.7 |
|                                                                      | 6H            | 23.5             | 24.2 | 23.9 | 24.6                        | 25.0          | 23.4           | 24.1        | 23.8 | 24.5 | 24.9 |
|                                                                      | 8H            | 23.7             | 24.3 | 24.1 | 24.7                        | 25.2          | 23.5           | 24.2        | 24.0 | 24.6 | 25.0 |
|                                                                      | 12H           | 23.9             | 24.4 | 24.4 | 24.9                        | 25.4          | 23.7           | 24.2        | 24.1 | 24.6 | 25.1 |
| 12H                                                                  | 4H            | 23.0             | 23.8 | 23.4 | 24.2                        | 24.6          | 23.1           | 23.9        | 23.5 | 24.2 | 24.6 |
|                                                                      | 6H            | 23.5             | 24.1 | 24.0 | 24.5                        | 25.0          | 23.4           | 24.0        | 23.9 | 24.5 | 24.9 |
|                                                                      | 8H            | 23.8             | 24.3 | 24.2 | 24.7                        | 25.2          | 23.6           | 24.1        | 24.1 | 24.6 | 25.1 |
| Variations with the observer position at spacings:                   |               |                  |      |      |                             |               |                |             |      |      |      |
| S = 1.0H                                                             | + 0.2 / - 0.2 |                  |      |      |                             | + 0.2 / - 0.2 |                |             |      |      |      |
| 1.5H                                                                 | + 0.3 / - 0.4 |                  |      |      |                             | + 0.2 / - 0.5 |                |             |      |      |      |
| 2.0H                                                                 | + 0.3 / - 0.4 |                  |      |      |                             | + 0.3 / - 0.6 |                |             |      |      |      |

CIE Pub.117 Corrected 2764 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.5)

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.200 m  
Remarks: 4000K

## UTILIZATION FACTORS TABLE

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: DISC BACKLIT                                                   | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM-600 MA                                         | DIMENSION: D-300 H-60 MM | SERIAL No.: |

| REFLECTANCE                      |                                                      |     |           |     |     |     |     |               |     |        |
|----------------------------------|------------------------------------------------------|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling                          | 0.8                                                  | 0.8 | 0.8       | 0.7 | 0.7 | 0.7 | 0.5 | 0.5           | 0.5 | 0      |
| Walls                            | 0.7                                                  | 0.5 | 0.3       | 0.7 | 0.5 | 0.3 | 0.7 | 0.5           | 0.3 | 0      |
| Working plane                    | 0.2                                                  | 0.2 | 0.2       | 0.2 | 0.2 | 0.2 | 0.2 | 0.2           | 0.2 | 0      |
| ROOM INDEX                       | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ |     |           |     |     |     |     |               |     |        |
| $k = 0.60$                       | 60                                                   | 49  | 42        | 59  | 48  | 42  | 58  | 48            | 42  | 35     |
| 0.80                             | 70                                                   | 59  | 52        | 69  | 58  | 52  | 67  | 58            | 51  | 45     |
| 1.00                             | 78                                                   | 68  | 61        | 77  | 67  | 61  | 75  | 69            | 60  | 53     |
| 1.25                             | 85                                                   | 76  | 69        | 84  | 75  | 68  | 81  | 73            | 68  | 61     |
| 1.50                             | 90                                                   | 81  | 74        | 89  | 80  | 74  | 86  | 78            | 73  | 66     |
| 2.00                             | 97                                                   | 89  | 83        | 95  | 88  | 82  | 92  | 85            | 81  | 73     |
| 2.50                             | 100                                                  | 93  | 88        | 98  | 92  | 87  | 95  | 89            | 85  | 77     |
| 3.00                             | 104                                                  | 97  | 92        | 101 | 96  | 91  | 98  | 93            | 89  | 81     |
| 4.00                             | 107                                                  | 102 | 98        | 105 | 100 | 96  | 101 | 97            | 94  | 85     |
| 5.00                             | 110                                                  | 105 | 101       | 107 | 103 | 100 | 103 | 99            | 97  | 88     |
| ROOM INDEX                       | UF(total)                                            |     |           |     |     |     |     |               |     | Direct |
| According to DIN EN 13032-2 2004 |                                                      |     | Suspended |     |     |     |     | SHRNOM = 1.25 |     |        |

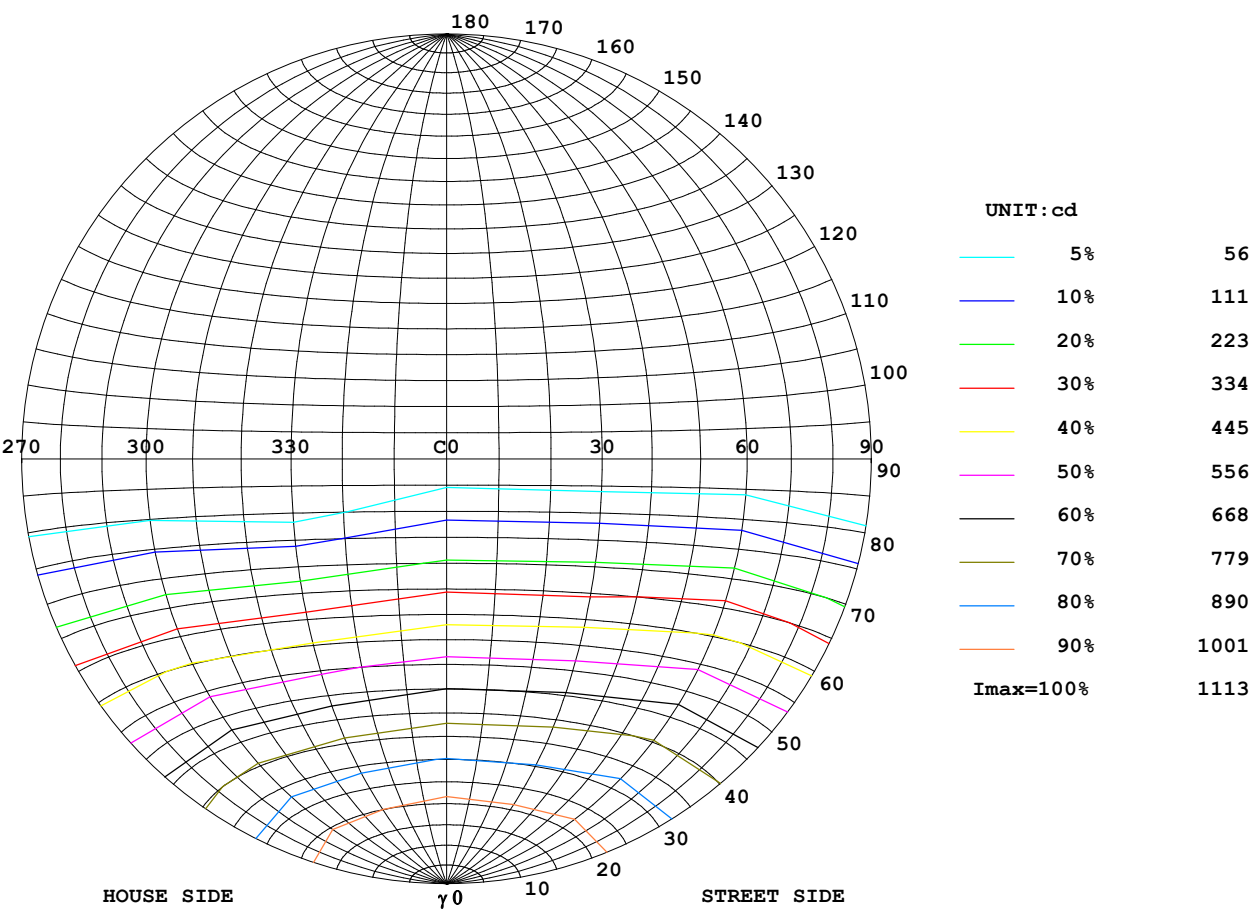
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:9.200 m  
 Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: DISC BACKLIT                                                   | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM-600 MA                                         | DIMENSION: D-300 H-60 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-14-2025

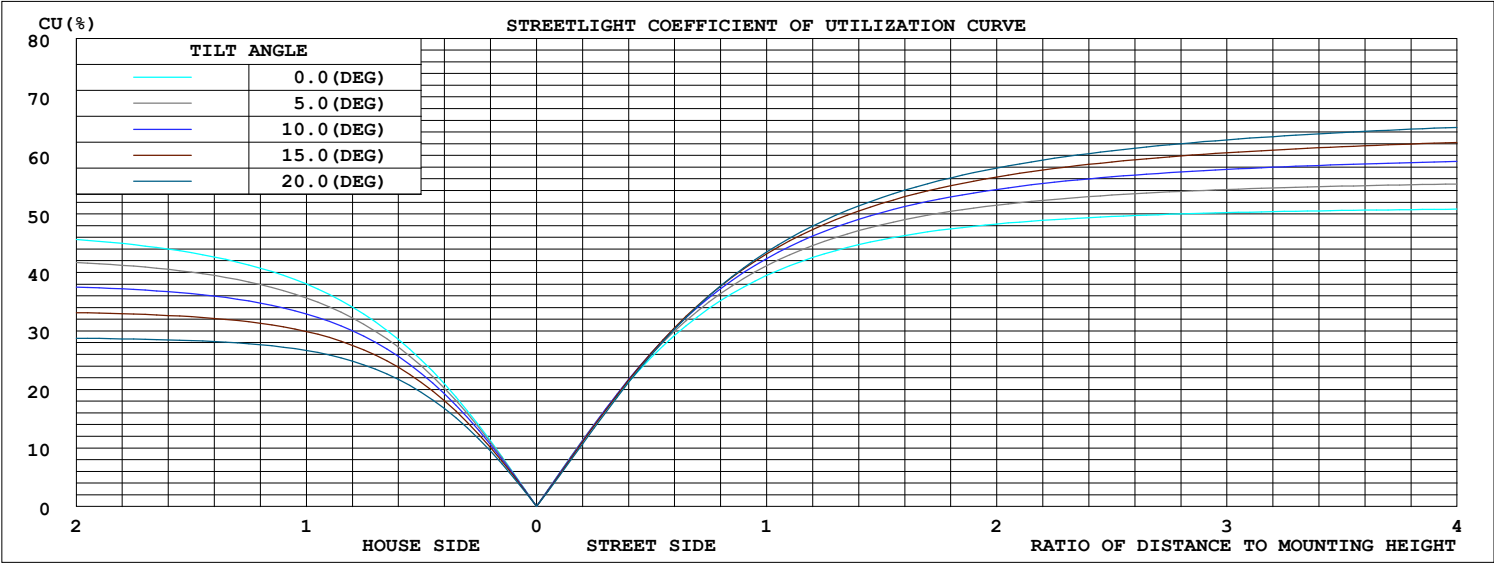
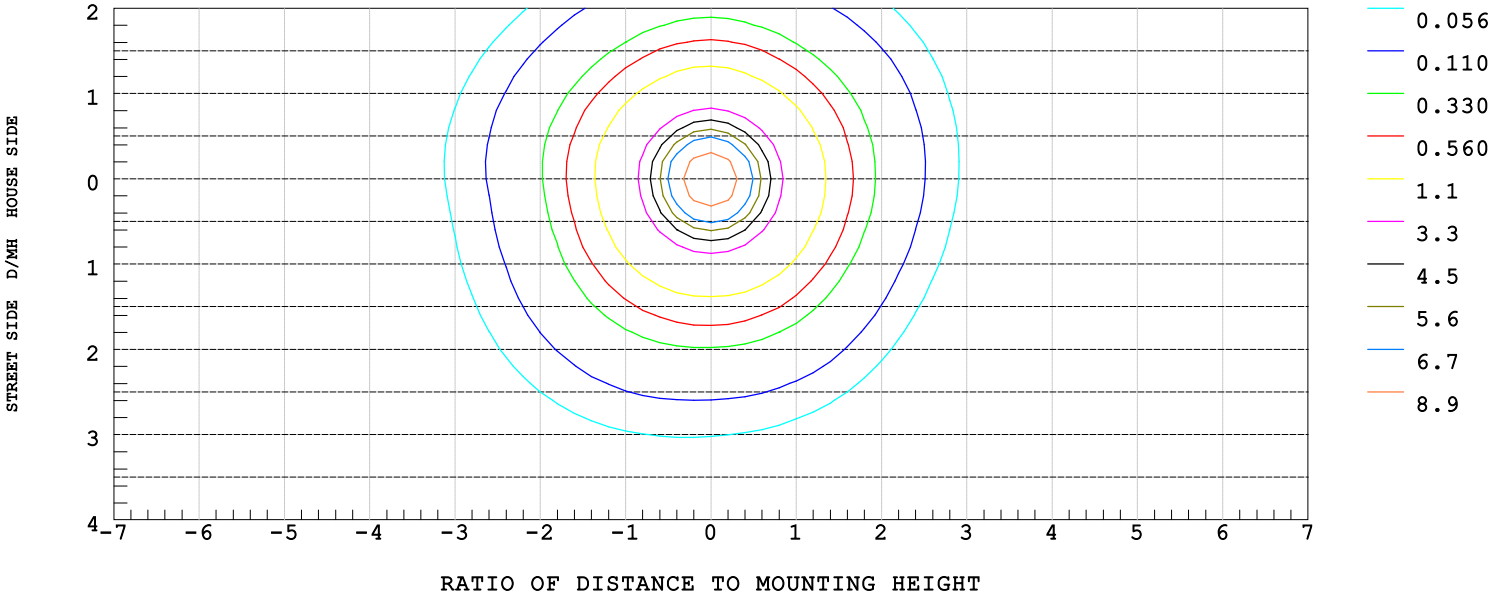
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.200 m  
Remarks: 4000K

ISOLUX DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: DISC BACKLIT                                                   | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM-600 MA                                         | DIMENSION: D-300 H-60 MM | SERIAL No.: |

ILLUMINANCE AT MH=10 m,Enadir = 11.13 lx



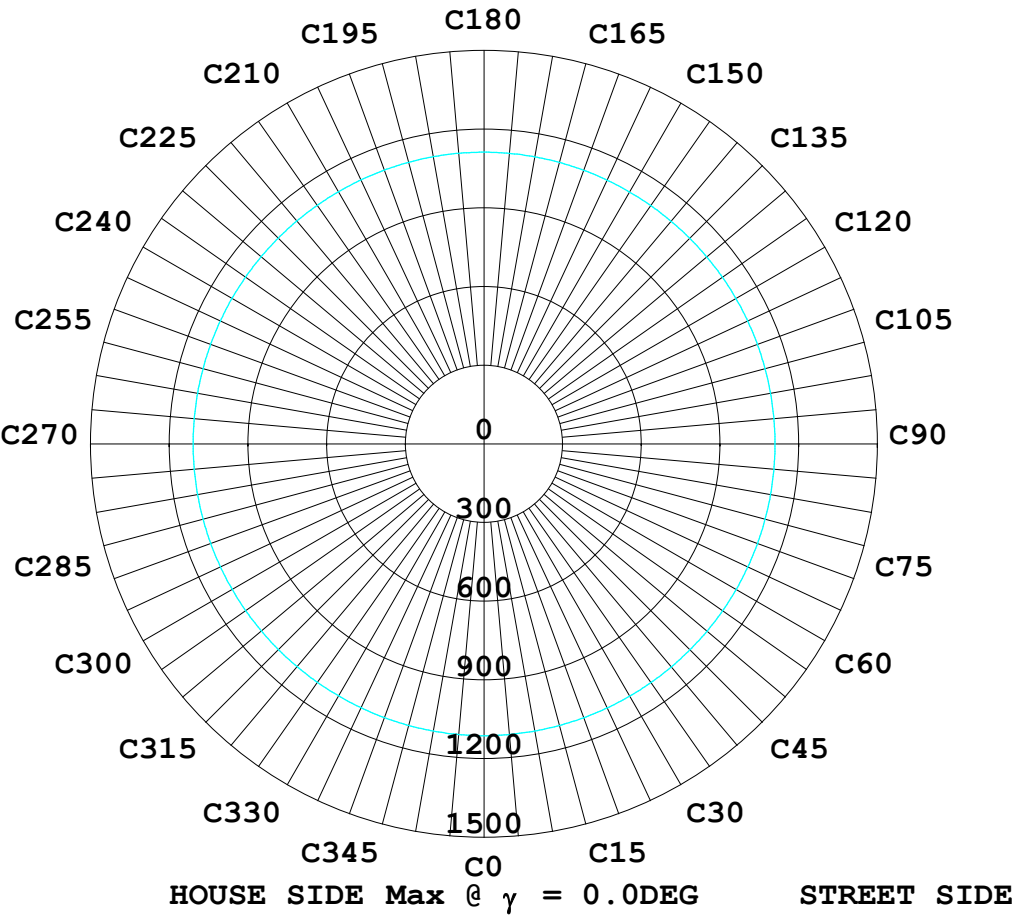
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.200 m  
Remarks: 4000K

ISOCANDELA DIAGRAM

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: DISC BACKLIT                                                   | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM-600 MA                                         | DIMENSION: D-300 H-60 MM | SERIAL No.: |



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.200 m  
Remarks: 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

|                                                                      |                          |             |
|----------------------------------------------------------------------|--------------------------|-------------|
| MANUFACTURER: DIVINITY LIGHTS                                        |                          |             |
| Address: Plot No-A-89, RIICO Industrial Area, Karoli, Bhiwadi,301019 |                          |             |
| NAME: DISC BACKLIT                                                   | TYPE: 4000K CRI-90       | WEIGHT:     |
| SPECIFICATION: FULHAM-600 MA                                         | DIMENSION: D-300 H-60 MM | SERIAL No.: |

UNIT: cd

| C (DEG)<br>γ (DEG) | 0    | 30   | 60   | 90   | 120  | 150  | 180  | 210  | 240  | 270  | 300  | 330  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0.0                | 1113 | 1111 | 1110 | 1109 | 1109 | 1110 | 1113 | 1111 | 1110 | 1109 | 1109 | 1110 |
| 5.0                | 1108 | 1107 | 1108 | 1105 | 1106 | 1101 | 1102 | 1102 | 1099 | 1102 | 1103 | 1106 |
| 10.0               | 1092 | 1091 | 1094 | 1090 | 1089 | 1081 | 1081 | 1081 | 1077 | 1083 | 1084 | 1091 |
| 15.0               | 1065 | 1061 | 1067 | 1062 | 1064 | 1050 | 1045 | 1042 | 1037 | 1047 | 1048 | 1063 |
| 20.0               | 1020 | 1015 | 1026 | 1023 | 1028 | 1007 | 997  | 991  | 982  | 996  | 1001 | 1019 |
| 25.0               | 960  | 956  | 973  | 973  | 982  | 954  | 940  | 929  | 913  | 932  | 938  | 961  |
| 30.0               | 893  | 894  | 917  | 916  | 926  | 895  | 877  | 865  | 843  | 860  | 869  | 894  |
| 35.0               | 821  | 828  | 854  | 852  | 860  | 827  | 811  | 798  | 772  | 787  | 797  | 822  |
| 40.0               | 746  | 757  | 785  | 781  | 787  | 751  | 734  | 722  | 694  | 709  | 717  | 745  |
| 45.0               | 667  | 678  | 708  | 704  | 708  | 672  | 651  | 635  | 607  | 624  | 629  | 662  |
| 50.0               | 583  | 589  | 625  | 619  | 620  | 585  | 569  | 553  | 522  | 538  | 544  | 577  |
| 55.0               | 496  | 505  | 539  | 528  | 524  | 489  | 481  | 467  | 435  | 448  | 454  | 489  |
| 60.0               | 409  | 419  | 450  | 431  | 419  | 384  | 387  | 377  | 352  | 360  | 361  | 397  |
| 65.0               | 323  | 321  | 358  | 316  | 311  | 267  | 281  | 289  | 249  | 260  | 263  | 309  |
| 70.0               | 231  | 236  | 257  | 214  | 201  | 169  | 180  | 194  | 169  | 178  | 173  | 212  |
| 75.0               | 154  | 156  | 161  | 119  | 112  | 85.1 | 91.7 | 113  | 99.1 | 104  | 91.6 | 130  |
| 80.0               | 88.5 | 84.4 | 81.7 | 61.1 | 61.9 | 45.5 | 49.2 | 61.0 | 50.0 | 53.4 | 37.0 | 65.8 |
| 85.0               | 52.3 | 47.9 | 49.5 | 30.4 | 29.6 | 16.5 | 19.5 | 30.6 | 27.8 | 35.9 | 27.5 | 38.9 |
| 90.0               | 29.9 | 22.5 | 17.3 | 11.2 | 15.4 | 11.5 | 10.4 | 11.3 | 7.44 | 16.9 | 16.3 | 24.1 |

Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-14-2025

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:9.200 m  
Remarks: 4000K